

Applicant: Hans-Christoph MAGEL
Docket No. R.304686
Preliminary Amdt.

NEW ABSTRACT:

Please replace the original abstract with the following new abstract:

Abstract of the Disclosure

A fuel injection system for an internal combustion engine and having a high-pressure fuel pump and a fuel injection valve for each engine cylinder. A first electrically actuated control valve controls a connection of the pump working chamber to a low-pressure region and a second electrically actuated control valve controls a connection of a control pressure chamber of the fuel injection valve to a relief region. A pressure reservoir is filled by the high-pressure fuel pump and from which fuel can be withdrawn in order to execute a fuel injection with the fuel injection valve independent of the delivery from the high-pressure fuel pump. The connection between the fuel pump and the pressure reservoir and injection valve contains a coupling device having a piston acted on at one end by the pressure prevailing in the pressure reservoir acted on at the other end by the pressure prevailing in the connection. The piston executes a delivery stroke oriented toward the pressure chamber in order to execute a fuel injection, and that the coupling device contains a bypass connection via which the connection communicates with the pressure reservoir.